



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

Glasslam N.G.I., Inc.  
1601 Blount Road  
Pompano Beach, FL 33062

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Series "Supreme 003" Aluminum Storefront System

**APPROVAL DOCUMENT:** Drawing No. 02-1123, titled "Supreme Window System 003 Aluminum Fixed Window", sheets 1 through 4 of 4, dated 9/4/03, prepared by Engco, Inc., signed and sealed by Pedro De Figuereido, P.E, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: Large and Small Missile Impact

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

10/29/2003



NOA No 03-0923.06  
Expiration Date: November 20, 2008  
Approval Date: November 20, 2003  
Page 1

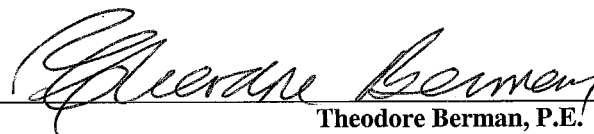
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **02-1123**, titled "Supreme Window System 003 Aluminum Fixed Window", sheets 1 through 4 of 4, dated 9/4/03, prepared by Engco, Inc., signed and sealed by Pedro De Figueredo, P.E

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
3) Water Resistance Test, per TAS 202-94  
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-02-1250**, dated 08/25/03, signed and sealed by Rafael E. Droz-Seda, P.E.
2. Test reports on: 1) Large Missile Impact Test per, 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-02-1722**, dated 09/10/02, revised on 08/25/03, signed and sealed by Rafael E. Droz-Seda, P.E.
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per TAS 202-94  
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1800**, dated 03/31/03, revised on 08/25/03, signed and sealed by Rafael E. Droz-Seda, P.E.
4. Test reports on: 1) Large Missile Impact Test per, 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-02-1801**, dated 03/30/03, revised on 08/25/03, signed and sealed by Rafael E. Droz-Seda, P.E.
5. Tensile Test as per, ASTM-E8, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-02-T089**, dated 10/31/02, signed and sealed by Rafael E. Droz-Seda, P.E.

  
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0923.06

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Approval Date: November 20, 2003

**Glasslam N.G.I., Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor Calculations, ASTM-E1300-98, and Structural Analysis, prepared by Engco, Inc., dated 10/24/03, signed and sealed by Pedro De Figueiredo, P.E.
2. Complies with ASTM E1300-98.

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 00-0524.06 issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass", dated 10/23/03, expiring on 9/9/08.

**E. QUALITY ASSURANCE**

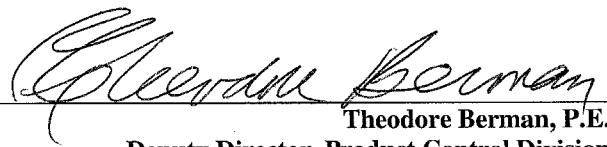
1. Miami Dade Building Code Compliance Office (BCCO)

**F. STATEMENTS**

1. Statement letter of conformance, dated 6/16/03, signed and sealed by Pedro De Figueiredo, P.E.

**G. OTHER**

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).

  
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-0923.06

Expiration Date: November 20, 2008

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## INDEX:

SHEET 1 of 4 - GENERAL NOTES AND FRAMING COMPONENTS  
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## GENERAL NOTES:

1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2001 EDITION - (HIGH VELOCITY SECTION).

2- DEFINITION: THIS PRODUCT IS AN ALUMINUM FIXED TYPE WINDOW WITH LARGE MISSILE IMPACT RESISTANT LAMINATED GLASS.

3- POSTING:

'SUPREME WINDOW SYSTEM 003 - LARGE MISSILE IMPACT  
GLASSLAM NGI INC.  
POMPANO BEACH - FLORIDA  
DADE COUNTY PRODUCT CONTROL APPROVED'

4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE APPROVED PRESSURE.

5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALLOY AND GLAZING TO BE LAMINATED GLASS AS SPECIFIED ON THIS APPROVAL.

6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THIS CURRENT SET OF DRAWINGS. 1/4" TAPCONS BY ELCO TO HAVE  $F_u(\min)=180$  ksi,  $F_y(\min)=160$  ksi

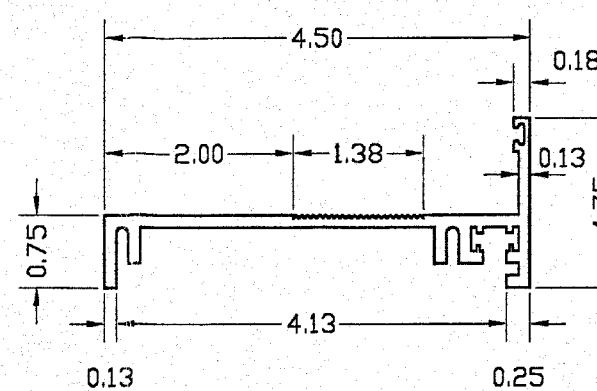
7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:

7.1- THE STABILITY OF THE STRUCTURE WHERE THE UNIT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.

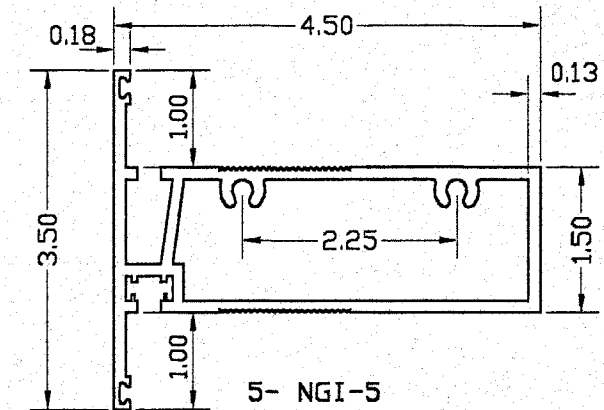
7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.

7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.

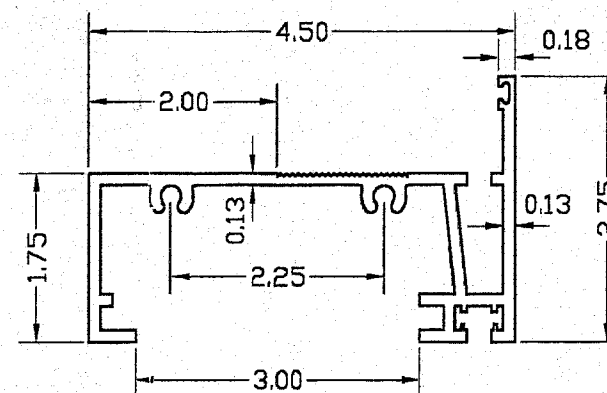
## FRAMING COMPONENTS



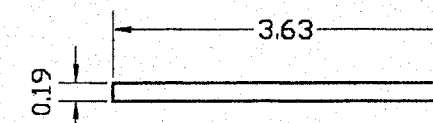
1- NGI-1  
SPLIT MULLION  
ALLOY: 6063-T6



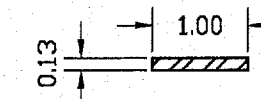
5- NGI-5  
INTERMEDIATE HORIZONTAL  
ALLOY: 6063-T6



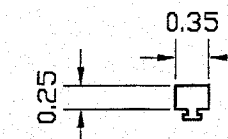
2- NGI-2  
PERIMETER FRAMING  
ALLOY: 6063-T6



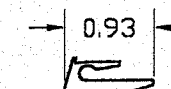
6- NGI-6  
FILLER PLATE  
ALLOY: 6063-T5



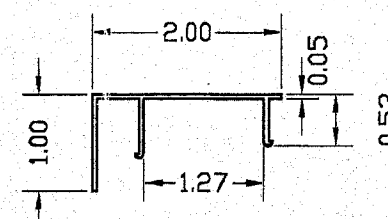
7- NGI-7  
SPLIT MULLION TIE PLATE  
ASTM A36 STEEL



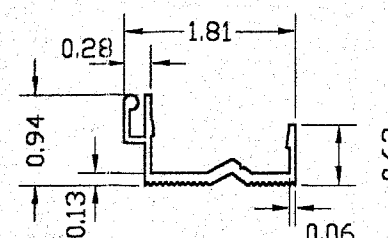
8- NGI-8  
REED RUBBER PART #8090



9- NGI-8  
REED RUBBER PART #4020



3- NGI-3  
SCREW COVER  
ALLOY: 6063-T6



4- NGI-4  
MECHANICAL HOLD  
ALLOY: 6063-T6

Approved as complying with the  
Florida Building Code  
Date 11/20/03  
NOA# 03-0923.06  
Miami Dade Product Control  
Division

*Glenn D. Brown*

MANUFACTURER:  
**Glasslam NGI Inc.**

1601 BLOUNT ROAD  
POMPANO BEACH - FL  
TEL: (954) 975-3233  
FAX: (954) 975 3225

PRODUCT:  
**SUPREME WINDOW SYSTEM 003**

ALUMINUM FIXED WINDOW

Engineering:  
**EngCo Inc.**

CA 8116  
6971 W. Sunrise Blvd. 104  
Plantation, FL 33313  
Tel.: (954) 585-0304

SEP 08 2003

Engineer Seal  
Pedro De Figueiredo  
PE 52609

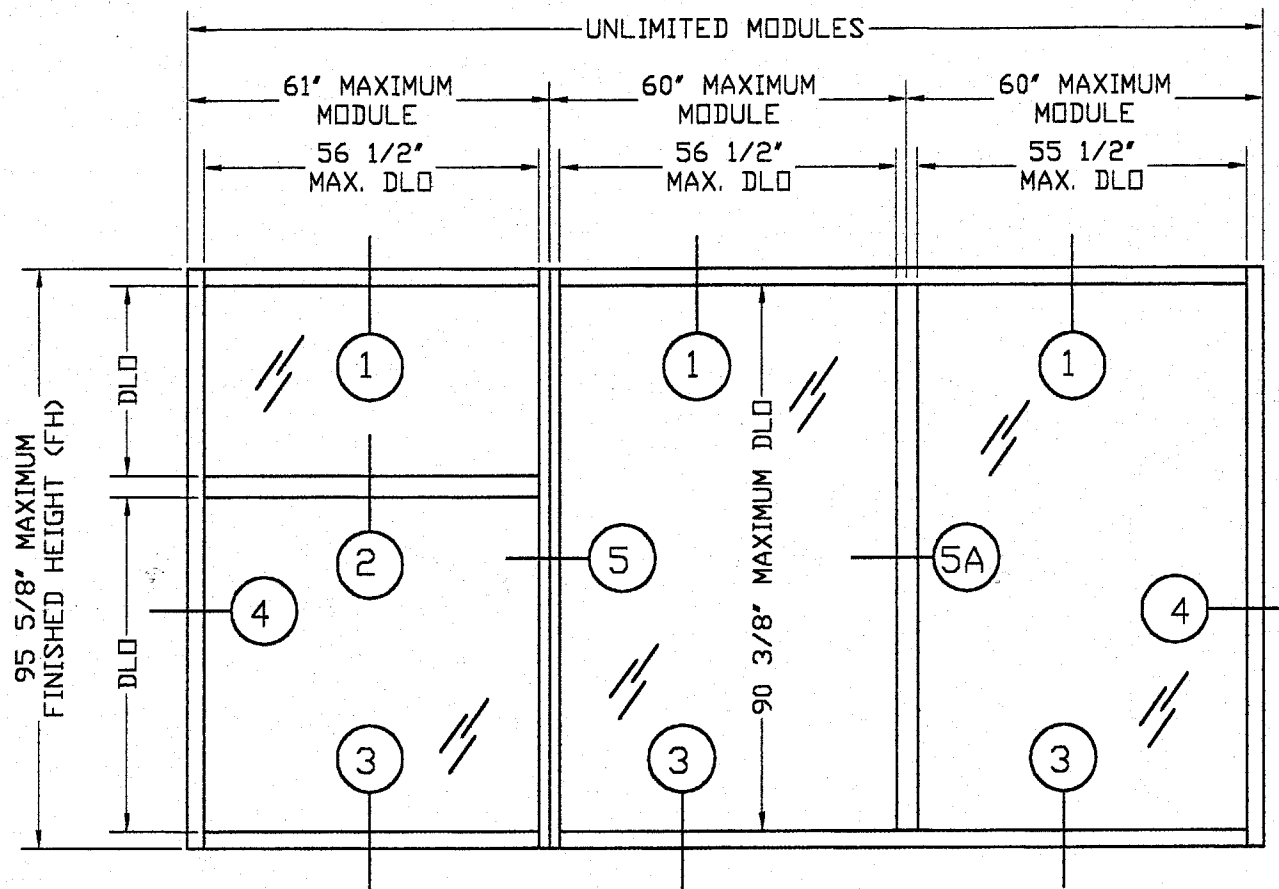
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Design by: PPMF

Revision:

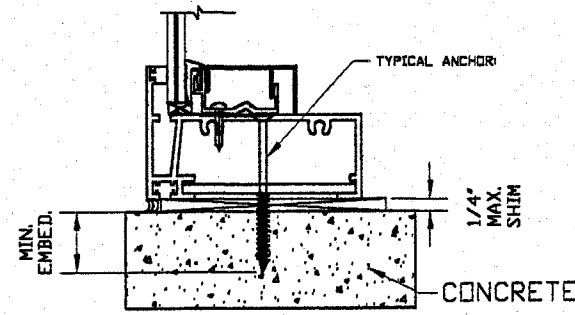
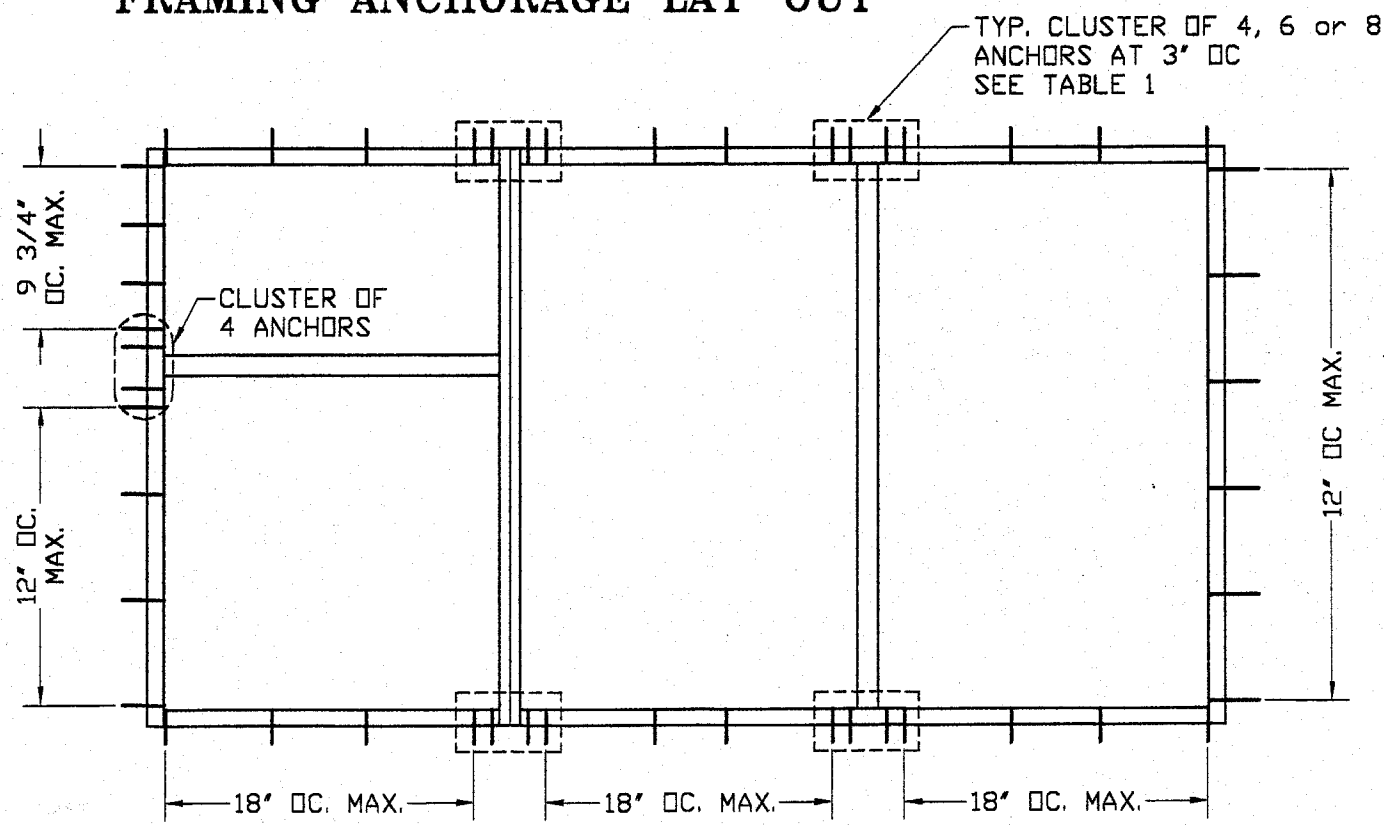
Drawing Number  
02-1123

Sheet  
1 of 4

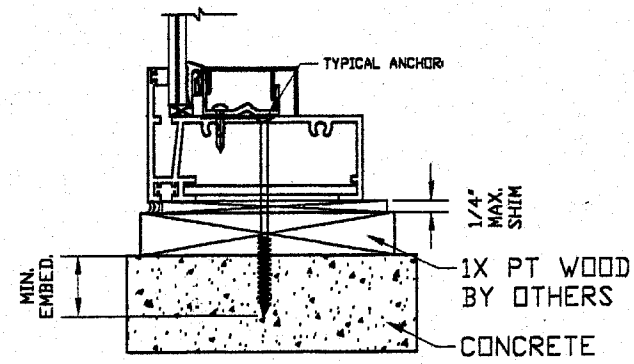
# TYPICAL UNIT ELEVATION



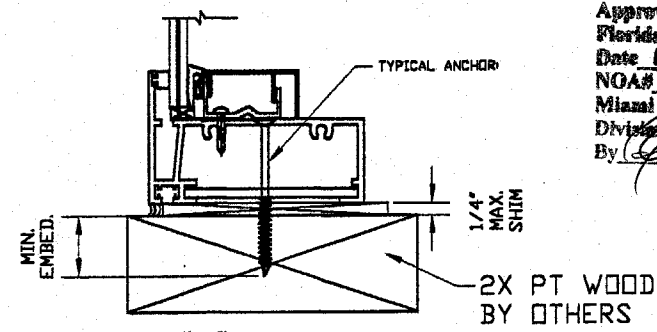
## FRAMING ANCHORAGE LAY-OUT



TYPE A



TYPE B



TYPE C

Approved as complying with the  
Florida Building Code  
Date 11/20/03  
NOA# 03-6923.06  
Miami Dade Product Control  
Division  
By: *Chervan Berman*

TABLE 1									
QTY. OF ANCHORS REQUIRED AT EACH MULLION END.									
X	TYPE OF ANCHOR X DESIGNED PRESSURE								
	60PSF			80PSF			100PSF		
FH	A	B	C	A	B	C	A	B	C
96	4	4	6	6	6	6	6	6	8
90	4	4	4	4	4	6	6	6	8
84	4	4	4	4	4	6	6	6	6
78	4	4	4	4	4	6	4	4	6
72	4	4	4	4	4	4	4	4	6

TYPICAL ANCHOR:  
A- 1/4"x4" TAPCONS W/ MIN. 1 3/4" EMBEDMENT INTO 3320 PSI CONCRETE WITH 1/4" MAXIMUM SHIM.  
B- 1/4"x4" TAPCONS W/ MIN. 1 3/4" EMBEDMENT INTO 3320 PSI CONCRETE WITH 1/4" MAXIMUM SHIM OVER 1X PT WOOD BUCK.  
C- 1/4"x4" TAPCONS W/ MIN. 1 1/2" EMBEDMENT INTO 2X PT WOOD BUCK WITH 1/4" MAXIMUM SHIM.

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SEP 08 2003

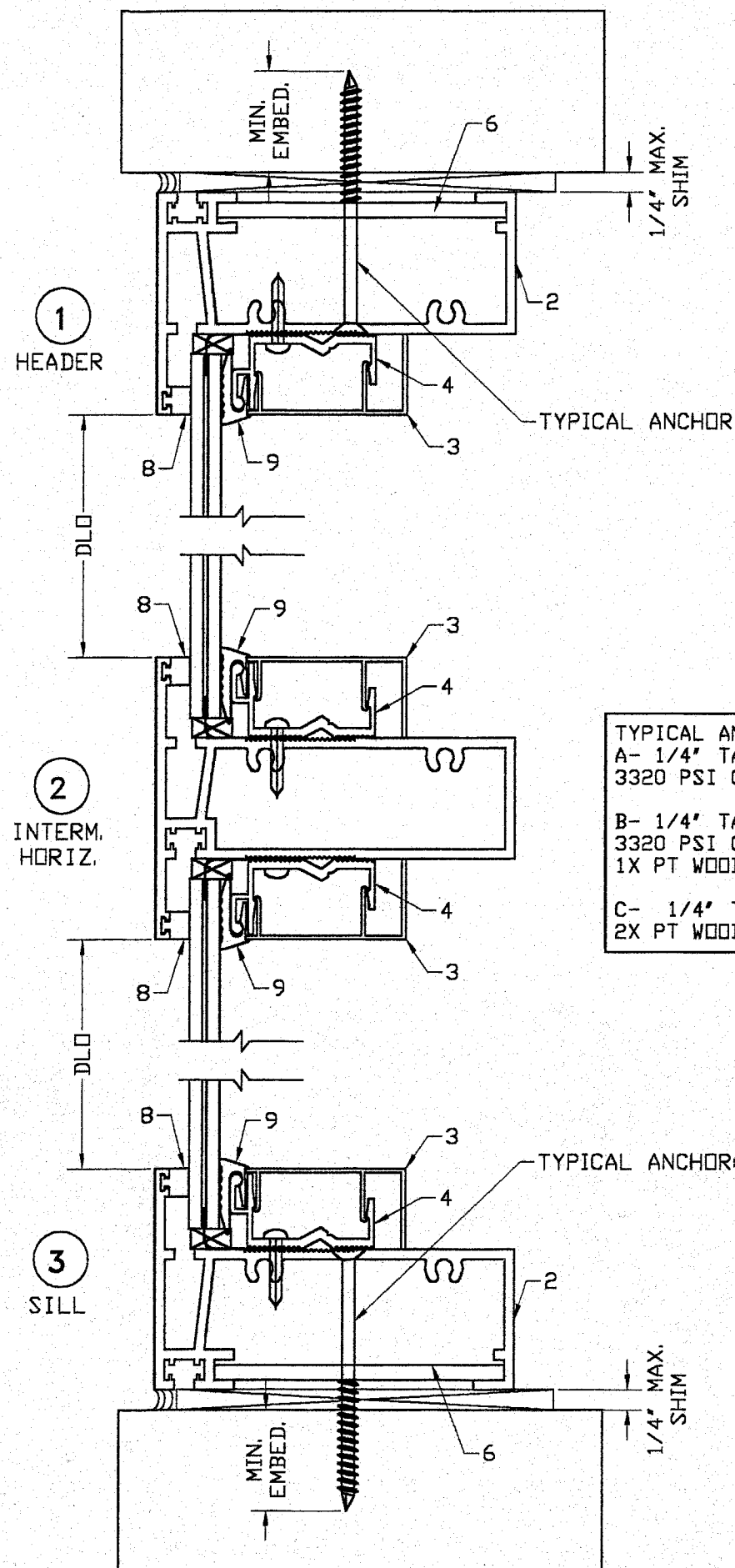
Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 09/04/03  
Scale: 1:32  
Design by: PPMF

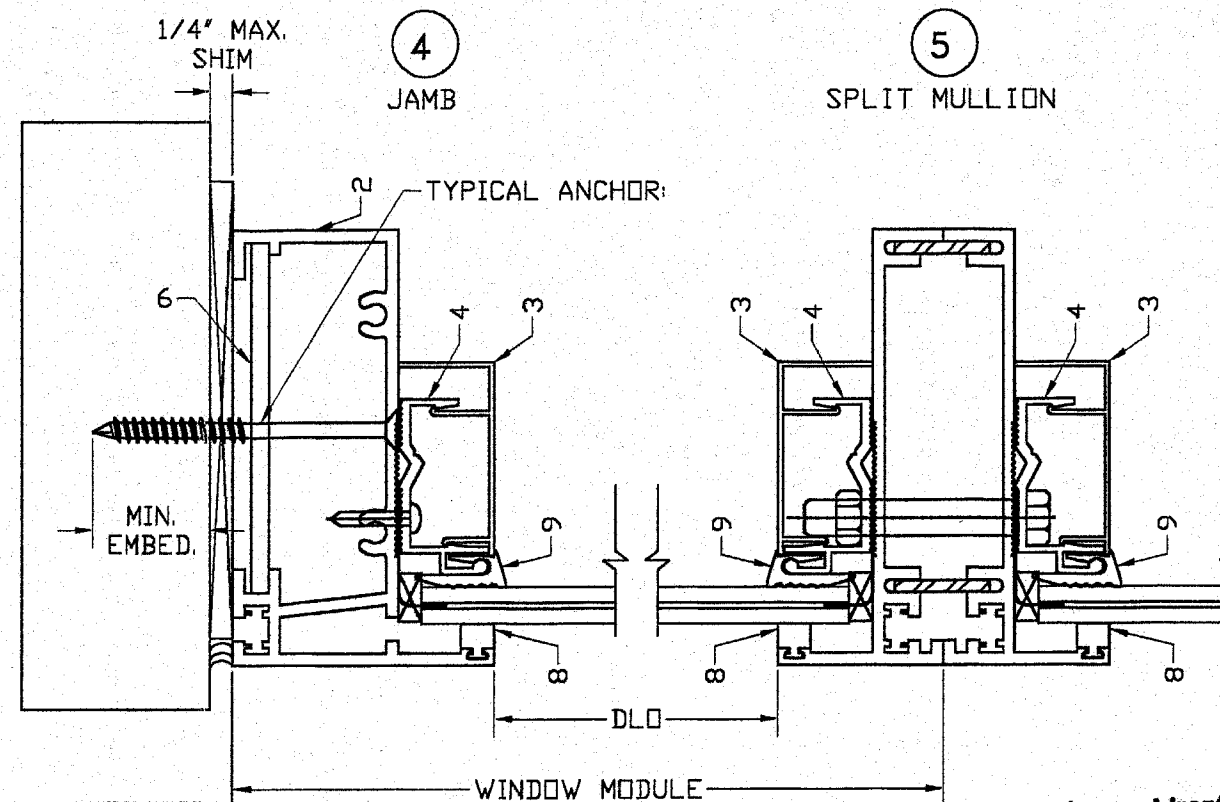
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Drawing Number  
**02-1123**

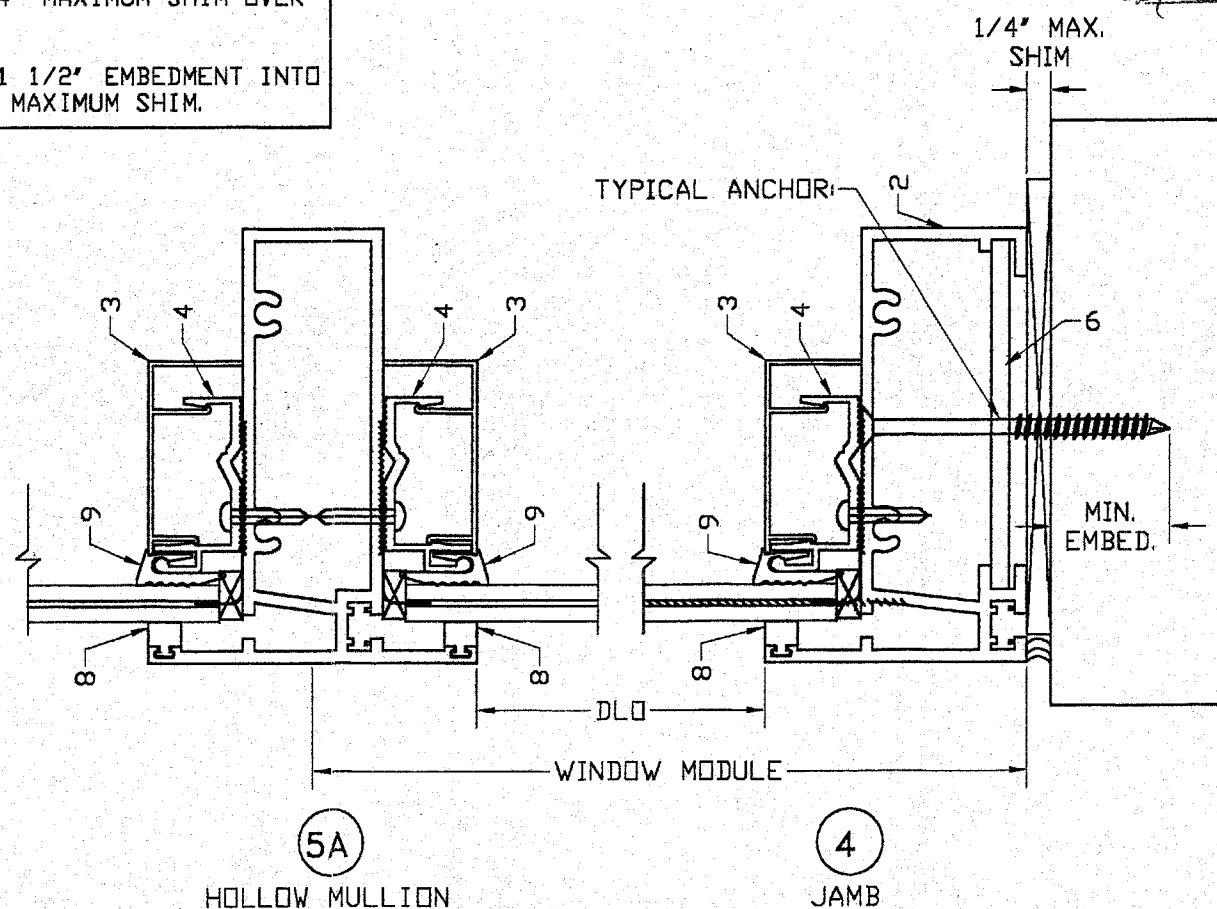
Sheet  
**2 of 4**



TYPICAL ANCHOR:  
 A- 1/4" TAPCONS W/ MIN. 1 3/4" EMBEDMENT INTO 3320 PSI CONCRETE WITH 1/4" MAXIMUM SHIM.  
 B- 1/4" TAPCONS W/ MIN. 1 3/4" EMBEDMENT INTO 3320 PSI CONCRETE WITH 1/4" MAXIMUM SHIM OVER 1X PT WOOD BUCK.  
 C- 1/4" TAPCONS W/ MIN. 1 1/2" EMBEDMENT INTO 2X PT WOOD BUCK WITH 1/4" MAXIMUM SHIM.



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 Florida Building Code  
 Date 11/20/03  
 NOA# 03-0923.06  
 Miami Code Product Control  
 By *Pedro De Figueiredo*



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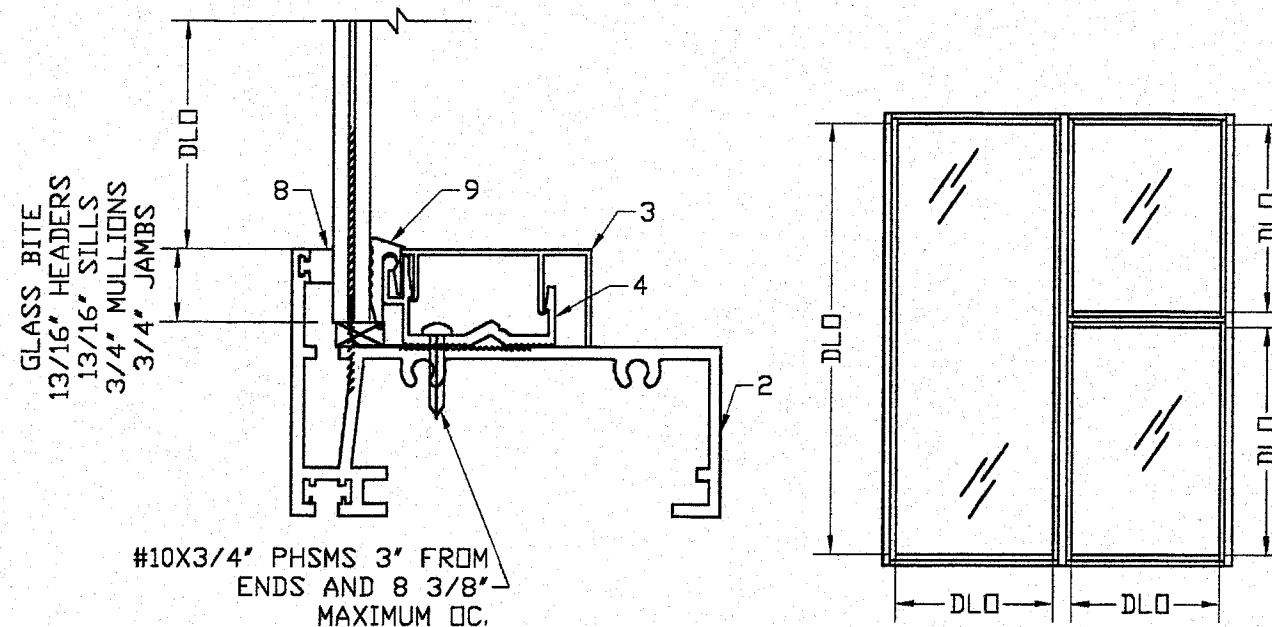
Date: 09/04/03  
 Scale: 1:32  
 Design by: PPMF

Revision:

Drawing Number  
 02-1123

Sheet  
 3 of 4

## GLAZING CONFIGURATIONS



### TYPE 1 GLASS - ANNEALED

TYPE 1A & 1B- 2 PLIES 3/16" GLASS + INTERLAYER  
 TYPE 1C- 2 PLIES 1/4" GLASS + INTERLAYER  
 TYPE 1D- INSULATED 1/4" GLASS + 1/2" AIR +  
 2 PLIES 1/4" GLASS + INTERLAYER

INTERLAYER: GLASSLAM SAFETY PLUS, WITH MIAMI-DADE COUNTY  
 NOA# 00-0524, 06

### DESIGNED PRESSURE

TYPE 1A & 1B					TYPE 1C					TYPE 1D				
DLOx DLO	38.5	44.5	50.5	56.5	DLOx DLO	38.5	44.5	50.5	56.5	DLOx DLO	38.5	44.5	50.5	56.5
31.500	80.0	80.0	80.0	80.0	42.750	80.0	80.0	80.0	80.0	42.750	80.0	80.0	80.0	80.0
37.500	80.0	80.0	80.0	73.1	54.750	80.0	80.0	80.0	79.5	54.750	80.0	80.0	80.0	80.0
43.500	80.0	77.8	69.0	60.9	66.750	80.0	80.0	76.4	66.6	66.750	80.0	76.4	64.5	57.0
55.375	72.2	60.7	55.3	49.9	78.750	80.0	76.7	64.5	57.0	78.750	80.0	76.7	64.5	57.0
					90.375	80.0	68.9	57.9	50.7	90.375	80.0	68.9	57.9	50.7

NOTES:  
 1- DAYLIGHT OPENING (DLO) IN INCHES  
 2- PRESSURES IN PSF

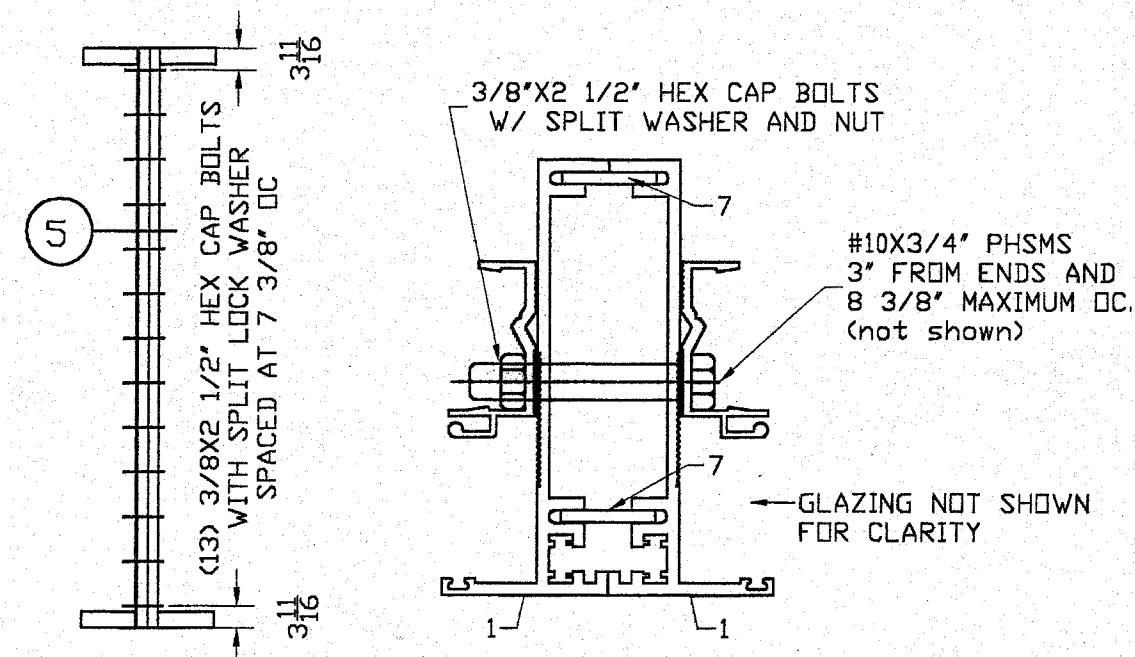
### TYPE 2 GLASS - TEMPERED

TYPE 2A & 2B- 2 PLIES 3/16" GLASS + INTERLAYER  
 TYPE 2C- 2 PLIES 1/4" GLASS + INTERLAYER  
 TYPE 2D- INSULATED 1/4" GLASS + 1/2" AIR +  
 2 PLIES 1/4" GLASS + INTERLAYER

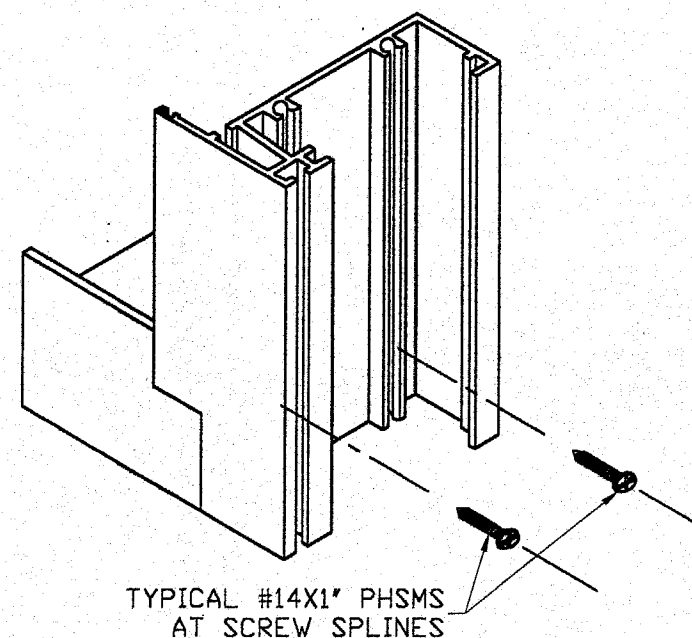
INTERLAYER: GLASSLAM SAFETY PLUS II, WITH MIAMI-DADE  
 COUNTY NOA# 03-0225, 10

DESIGNED PRESSURE= ±100 PSF

## SPLIT MULLION ASSEMBLY



## FRAME CORNER ASSEMBLY



Approved as complying with the  
 Florida Building Code  
 Date 11/20/03  
 NOA# 03-0923, 06  
 Miami Dade Product Control  
 Division  
 By: *Alvaro Berman*

MANUFACTURER:  
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 POMPANO BEACH - FL  
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PRODUCT:  
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Date: 09/04/03  
 Scale: 1:32  
 Design by: PPMF

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